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(54) DRIVE CONTROLLER FOR HYBRID CAR

(57) Abstract:

PROBLEM TO BE SOLVED: To set operation schedules for an engine and a motor which minimize fuel consumption, according to the road condition of a route as far as to the destination.

SOLUTION: At a spot where a start and a stop are predicted, a route up to a destination is divided into a plurality of sections, and a car speed pattern is assumed for each section on the basis of the road condition of the route as far as to the destination and the driving history of a driver. Operation schedules of an engine and a motor for each section are set, so that fuel consumption up to the destination is minimum, on the basis of the car speed pattern and the fuel consumption characteristic of the engine.

Consequently, a precise quantity of fuel consumption according to the road condition of the route up to the destination and the driving history of the driver is found, considering not only steady-state running time fuel consumption, but also fuel consumption improvement through energy recovery obtained when the car is decelerated and braked, and fuel consumption increase which occurs when the car is accelerated, and setting of operating schedules for the engine and motor which make fuel consumption a minimum becomes settable.

